

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/15 A61B5/155

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 575 795 A (ANDERSON SANFORD J) 19 November 1996 (1996-11-19)	1
Y	the whole document	2-10
Y	WO 02/058556 A (UNGER PETER ; P U MED KONSULT (SE)) 1 August 2002 (2002-08-01) page 4, line 2 - line 4; figures 1-13	2
Y	EP 0 469 515 A (KAWASUMI LAB INC) 5 February 1992 (1992-02-05)	3-6,9
A	column 3, line 26 - line 35 column 4, line 8 - line 48; claim 1; figures 1-5	7
Y	US 2 572 314 A (BUTLER WILLIAM F) 23 October 1951 (1951-10-23) column 2, line 23 - line 28 column 3, line 27 - line 31; figures 1-3	7,8
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

11 April 2005

Date of mailing of the international search report

29/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hunt, B

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 287 265 B1 (GLEASON CINDY L) 11 September 2001 (2001-09-11) column 6, line 35 - line 38; figures 1-11	10
Y	US 5 097 842 A (BONN GINA B) 24 March 1992 (1992-03-24) the whole document	1,7,9
Y	US 5 078 704 A (WEJNAR SIEGFRIED) 7 January 1992 (1992-01-07) column 1, line 56 - line 59 column 3, line 12 - line 25; figures 1,2	1,7,9
A	US 5 879 318 A (MEIJER ELSE JOHANNA ET AL) 9 March 1999 (1999-03-09) the whole document	7-10
A	US 5 059 168 A (STONE JOSEPH J) 22 October 1991 (1991-10-22) the whole document	8
A	US 6 179 819 B1 (HASWELL JOHN N) 30 January 2001 (2001-01-30)	10
A	column 8, line 19 - line 48; figures 1-5	10
A	US 5 915 384 A (EDER JEROME M ET AL) 29 June 1999 (1999-06-29) abstract; figure 9	1

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5575795	A	19-11-1996	US 5372581 A	13-12-1994
WO 02058556	A	01-08-2002	SE 519020 C2	23-12-2002
			SE 0100227 A	27-07-2002
			WO 02058556 A1	01-08-2002
EP 0469515	A	05-02-1992	JP 2894458 B2	24-05-1999
			JP 5196621 A	06-08-1993
			DE 69105395 D1	12-01-1995
			DE 69105395 T2	29-06-1995
			EP 0469515 A1	05-02-1992
US 2572314	A	23-10-1951	NONE	
US 6287265	B1	11-09-2001	NONE	
US 5097842	A	24-03-1992	NONE	
US 5078704	A	07-01-1992	AT 42471 T	15-05-1989
			DE 3569674 D1	01-06-1989
			WO 8601412 A1	13-03-1986
			EP 0191851 A1	27-08-1986
			JP 62500081 T	16-01-1987
US 5879318	A	09-03-1999	NONE	
US 5059168	A	22-10-1991	US 5298020 A	29-03-1994
US 6179819	B1	30-01-2001	NONE	
US 5915384	A	29-06-1999	US 5342328 A	30-08-1994
			DE 4409842 A1	27-10-1994
			FR 2702950 A1	30-09-1994
			GB 2276568 A ,B	05-10-1994
			GB 2302734 A ,B	29-01-1997
			IT 1272958 B	01-07-1997
			JP 3350207 B2	25-11-2002
			JP 6324035 A	25-11-1994